

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: MICHAEL J. JOSLYN

FILED: APRIL 20, 2004

FOR: **PLANARIZING MACHINES AND
METHODS FOR DISPENSING
PLANARIZING SOLUTIONS IN THE
PROCESSING OF MICROELECTRONIC
WORKPIECES**

**Information Disclosure Statement Within Three Months of
Application Filing or Before First Action – 37 C.F.R. § 1.97(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

1. Timing of Submission

This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last [37 C.F.R. § 1.97(b)]. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Cited Information

☒ Copies of the following references can be found in parent U.S. Application No. 09/939,430:

- ☒ All cited references
☐ The following:

3. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition,

applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

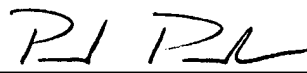
4. Fee Payment

No fees are believed due because this Information Disclosure Statement is being filed before the mailing date of the first Office Action.

However, should the Commissioner determine that fees are due in order for this Information Disclosure Statement to be considered, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 50-0665.

Respectfully submitted,
Perkins Coie LLP

Date: April 20, 2004



Paul T. Parker
Registration No. 38,264

Correspondence Address:

Customer No. 25096
Perkins Coie LLP
P.O. Box 1247
Seattle, Washington 98111-1247
(206) 359-8000

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	
				Confirmation Number	
				Filing Date	April 20, 2004
				First Named Inventor	Michael J. Joslyn
				Group Art Unit	
Examiner Name					
Sheet	1	of	7	Attorney Docket No.	108298539US1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		Re. 34,425		Schultz	11/02/1993	
		5,069,002		Sandhu et al.	12/03/1991	
		5,081,796		Schultz	01/21/1992	
		5,209,816		Yu et al.	05/11/1993	
		5,225,034		Yu et al.	07/06/1993	
		5,232,875		Tuttle et al.	08/03/1993	
		5,234,867		Schultz et al.	08/10/1993	
		5,240,552		Yu et al.	08/31/1993	
		5,244,534		Yu et al.	09/14/1993	
		5,245,790		Jerbic	09/21/1993	
		5,245,796		Miller et al.	09/21/1993	
		5,354,490		Yu et al.	10/11/1994	
		5,421,769		Schultz et al.	06/06/1995	
		5,433,651		Lustig et al.	07/18/1995	
		5,449,314		Meikle et al.	09/12/1995	
		5,486,129		Sandhu et al.	01/23/1996	
		5,514,245		Doan et al.	05/07/1996	
		5,533,924		Stroupe et al.	07/09/1996	
		5,540,810		Sandhu et al.	07/30/1996	
		5,616,069		Walker et al.	04/01/1997	
		5,618,381		Doan et al.	04/08/1997	
		5,643,060		Sandhu et al.	07/01/1997	
		5,645,682		Skrovan	07/08/1997	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	
				Confirmation Number	
				Filing Date	April 20, 2004
				First Named Inventor	Michael J. Joslyn
				Group Art Unit	
				Examiner Name	
Sheet	2	of	7	Attorney Docket No.	108298539US1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		5,655,951		Meikle et al.	08/12/1997	
		5,658,183		Sandhu et al.	08/19/1997	
		5,658,190		Wright et al.	08/19/1997	
		5,664,988		Stroupe et al.	09/09/1997	
		5,679,065		Henderson	10/21/1997	
		5,702,292		Brunelli et al.	12/30/1997	
		5,725,417		Robinson	03/10/1998	
		5,730,642		Sandhu et al.	03/24/1998	
		5,747,386		Moore	05/05/1998	
		5,779,522		Walker et al.	07/14/1998	
		5,782,675		Southwick	07/21/1998	
		5,792,709		Robinson et al.	08/11/1998	
		5,795,495		Meikle	08/18/1998	
		5,801,066		Meikle	09/01/1998	
		5,807,165		Uzoh et al.	09/15/1998	
		5,827,781		Skrovan et al.	10/27/1998	
		5,830,806		Hudson et al.	11/03/1998	
		5,833,519		Moore	11/10/1998	
		5,846,336		Skrovan	12/08/1998	
		5,851,135		Sandhu et al.	12/22/1998	
		5,868,896		Robinson et al.	02/09/1999	
		5,879,226		Robinson	03/09/1999	
		5,882,248		Wright et al.	03/16/1999	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	
				Confirmation Number	
				Filing Date	April 20, 2004
				First Named Inventor	Michael J. Joslyn
				Group Art Unit	
				Examiner Name	
Sheet	3	of	7	Attorney Docket No.	108298539US1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		5,893,754		Robinson et al.	04/13/1999	
		5,895,550		Andeas	04/20/1999	
		5,910,043		Manzonie et al.	06/08/1999	
		5,916,819		Skrovan et al.	06/29/1999	
		5,930,699		Bhatia	07/27/1999	
		5,934,980		Koos et al.	08/10/1999	
		5,945,347		Wright	08/31/1999	
		5,954,912		Moore	09/21/1999	
		5,967,030		Blalock	10/19/1999	
		5,972,792		Hudson	10/26/1999	
		5,975,994		Sandhu et al.	11/2/1999	
		5,980,363		Meikle et al.	11/09/1999	
		5,981,396		Robinson et al.	11/09/1999	
		5,990,012		Robinson et al.	11/23/1999	
		5,994,224		Sandhu et al.	11/30/1999	
		5,997,384		Blalock	12/07/1999	
		6,004,196		Doan et al.	12/21/1999	
		6,039,633		Chopra	03/21/2000	
		6,040,245		Sandhu et al.	03/21/2000	
		6,054,015		Brunelli et al.	04/25/2000	
		6,060,395		Skrovan et al.	05/09/2000	
		6,066,030		Uzoh	05/23/2000	
		6,074,286		Ball	06/13/2000	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	
				Confirmation Number	
				Filing Date	April 20, 2004
				First Named Inventor	Michael J. Joslyn
				Group Art Unit	
				Examiner Name	
Sheet	4	of	7	Attorney Docket No.	108298539US1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		6,077,785		Andreas	06/20/2000	
		6,083,085		Lankford	07/04/2000	
		6,110,820		Sandhu et al.	08/29/2000	
		6,116,988		Ball	09/12/2000	
		6,120,354		Koos et al.	09/19/2000	
		6,124,207		Robinson et al.	09/26/2000	
		6,135,856		Tjaden et al.	10/24/2000	
		6,136,218		Skrovan et al.	10/24/2000	
		6,139,402		Moore	10/31/2000	
		6,143,123		Robinson et al.	11/07/2000	
		6,143,155		Adams et al.	11/07/2000	
		6,139,402		Moore	10/31/2000	
		6,143,123		Robinson et al.	11/07/2000	
		6,143,155		Adams et al.	11/07/2000	
		6,152,808		Moore	11/28/2000	
		6,176,763	B1	Kramer et al.	01/23/2001	
		6,176,992	B1	Talieh	01/23/2001	
		6,180,525	B1	Morgan	01/30/2001	
		6,187,681	B1	Moore	02/13/2001	
		6,191,037	B1	Robinson et al.	02/20/2001	
		6,193,588	B1	Carlson et al.	02/27/2001	
		6,196,899	B1	Chopra et al.	03/6/2001	
		6,200,901	B1	Hudson et al.	03/13/2001	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	
				Confirmation Number	
				Filing Date	April 20, 2004
				First Named Inventor	Michael J. Joslyn
				Group Art Unit	
				Examiner Name	
Sheet	5	of	7	Attorney Docket No.	108298539US1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		6,203,404	B1	Joslyn et al.	03/20/2001	
		6,203,413	B1	Skrovan	03/20/2001	
		6,206,756	B1	Chopra et al.	03/27/2001	
		6,206,757	B1	Custer et al.	03/27/2001	
		6,210,257	B1	Carlson	04/03/2001	
		6,213,845	B1	Elledge	04/10/2001	
		6,218,316	B1	Marsh	04/17/2001	
		6,220,934	B1	Sharples et al.	04/24/2001	
		6,227,955	B1	Custer et al.	05/08/2001	
		6,234,874	B1	Ball	05/22/2001	
		6,234,877	B1	Koos et al.	05/22/2001	
		6,234,878	B1	Moore	05/22/2001	
		6,237,483	B1	Blalock	05/29/2001	
		6,238,270	B1	Robinson	05/29/2001	
		6,250,994	B1	Chopra et al.	06/26/2001	
		6,251,785	B1	Wright	06/26/2001	
		6,261,151	B1	Sandhu et al.	07/17/2001	
		6,261,163	B1	Walker et al.	07/17/2001	
		6,267,650	B1	Hembree	07/31/2001	
		6,271,139	B1	Alwan et al.	08/07/2001	
		6,273,786	B1	Chopra et al.	08/14/2001	
		6,273,796	B1	Moore	0/14/2001	
		6,273,800	B1	Walker et al.	08/14/2001	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	
				Confirmation Number	
				Filing Date	April 20, 2004
				First Named Inventor	Michael J. Joslyn
				Group Art Unit	
Examiner Name					
Sheet	6	of	7	Attorney Docket No.	108298539US1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		6,276,996	B1	Chopra	08/21/2001	
		6,284,660	B1	Doan	09/04/2001	
		6,306,008	B1	Moore	10/23/2001	
		6,306,012	B1	Sabde	10/23/2001	
		6,306,014	B1	Walker et al.	10/23/2001	
		6,306,768	B1	Klein	10/23/2001	
		6,312,486	B1	Sandhu et al.	11/06/2001	
		6,312,558	B2	Moore	11/06/2001	
		6,313,038	B1	Chopra et al.	11/06/2001	
		6,328,632	B1	Chopra	12/11/2001	
		6,331,139	B2	Walker et al.	12/18/2001	
		6,331,488	B1	Doan et al.	12/18/2001	
		6,350,180	B2	Southwick	02/26/2002	
		6,350,691	B1	Lankford	02/26/2002	
		6,352,466	B1	Moore	03/05/2002	
		6,352,470	B2	Elledge	03/05/2002	
		6,354,917	B1	Ball	03/12/2002	
		6,354,923	B1	Lankford	03/12/2002	
		6,354,930	B1	Moore	03/12/2002	
		6,358,122	B1	Sabde et al.	03/19/2002	
		6,358,127	B1	Carlson et al.	03/19/2002	
		6,358,129	B2	Dow	03/19/2002	
		6,361,411	B1	Chopra et al.	03/26/2002	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	
				Confirmation Number	
				Filing Date	April 20, 2004
				First Named Inventor	Michael J. Joslyn
				Group Art Unit	
				Examiner Name	
Sheet	7	of	7	Attorney Docket No.	108298539US1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		6,361,413	B1	Skrovan	03/26/2002	
		6,361,417	B2	Walker et al.	03/26/2002	
		6,364,757	B2	Moore	04/02/2002	
		6,368,190	B1	Easter et al	04/09/2002	
		6,368,193	B1	Carlson et al.	04/09/2002	
		6,368,194	B1	Sharples et al.	04/09/2002	
		6,368,197	B2	Elledge	04/09/2002	
		6,375,548	B1	Andreas	04/23/2002	
		6,376,381	B1	Sabde	04/23/2002	
		6,398,627	B1	Chiou et al.	06/04/2002	
		5,997,392		Chamberlin et al.	12/07/1999	
		6,053,801		Pinson et al.	04/25/2000	
		6,139,406		Kennedy et al.	10/31/2000	
		6,280,299	B1	Kennedy et al.	08/28/2001	
		6,284,092	B1	Manfredi	09/04/2001	
		2002/0022440		Kunugi	02/21/2002	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		KONDO, S. et al., "Abrasive-Free Polishing for Copper Damascene Interconnection," Journal of The Electrochemical Society, Vol. 147, No. 10, pp. 3907-3913, 2000, The Electrochemical Society, Inc.	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	